



SEQ. I.D. No. 8 shows the amino acid sequence of the ER-interacting domain of AIB1.

SEQ. I.D. No. 9 shows the nucleic acid sequence of pCIP, the mouse ortholog of AIB1 and the amino acid sequence for this gene.

5 SEQ. I.D. No. 10 shows the nucleic acid sequence of the forward primer AIB1/mESTF1 used to screen mouse BAC.

SEQ. I.D. No. 11 shows the nucleic acid sequence of the reverse primer AIB1/mESTR1 used to screen mouse BAC.

SEQ. I.D. No. 12 shows the amino acid sequence of pCIP, the mouse ortholog of AIB1.]

10 SEQ ID NO:1 shows the nucleic acid sequence of AIB1 cDNA and the corresponding amino acid sequence.

SEQ ID NO:2 shows the amino acid sequence of the Per/Arnt/Sim (PAS) domain of AIB1.

15 SEQ ID NO:3 shows the amino acid sequence of the basic helix-loop-helix domain (bHLH) of AIB1.

SEQ ID NO:4 shows the amino acid sequence of the human AIB1 protein.

SEQ ID NO:5 shows the nucleic acid sequence of primer N8F1.

SEQ ID NO:6 show the nucleic acid sequence of the forward primer designed from the 5' sequence of pCMVSPORT-B11, PM-U2.

20 SEQ ID NO:7 shows the nucleic acid sequence of the reverse primer designed from the 5' sequence of pCMVSPORT-B11, PM-U2.

SEQ ID NO:8 shows the amino acid sequence of the ER-interacting domain of AIB1.

SEQ ID NO:9 shows the nucleic acid sequence of pCIP, the mouse ortholog of AIB1 and the amino acid sequence for this gene.

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SEQ ID NO:11 shows the nucleic acid sequence of the reverse primer AIB1/mESTF1 used to screen mouse BAC.

SEQ ID NO:12 shows the amino acid sequence of pCIP, the mouse ortholog of AIB1.

30 **BRIEF DESCRIPTION OF THE DRAWINGS [FIGURES]**

[Fig. 1A is a diagram of an amino acid sequence of full length AIB1 in which residues highlighted in black are identical in AIB1, TIF2 and SRC1. Residues identical with TIF2 (GenBank accession number X97674) or SRC-1 (GenBank accession number U59302) are highlighted in grey or boxed, respectively.]

35 Fig. 1A is a diagram of an amino acid sequence of full length AIB1 (SEQ ID NO:4) in which residues highlighted in black are identical in AIB1, TIF2, and SRC1. Residues identical with TIF2 (GenBank Accession No. X97674) or SRC-1 (GenBank Accession No. U59302) are highlighted in grey or boxed, respectively.

40 Fig. 1B is a diagram showing the structural features of AIB1. The following domains are indicated: bHLH domain, PAS domains (with the highly conserved PAS A and B regions shown in